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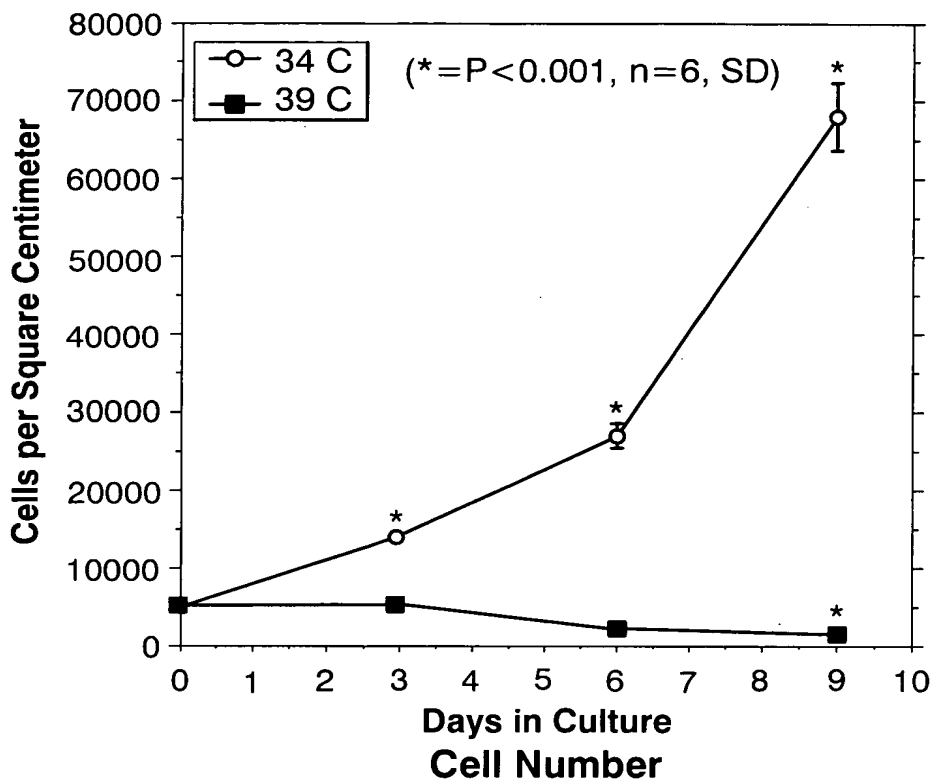
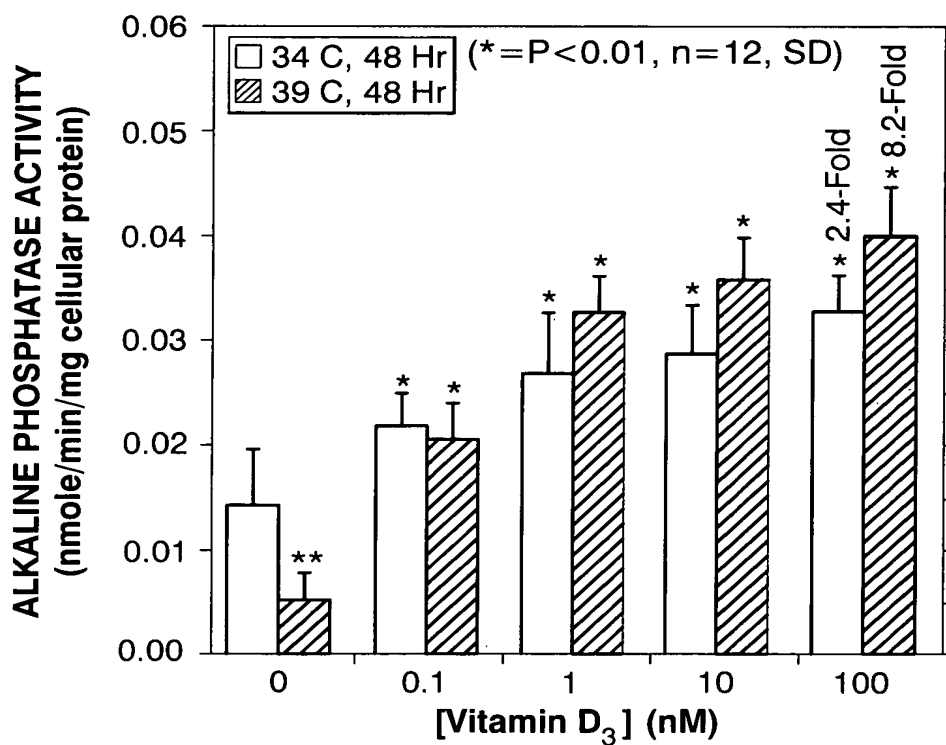
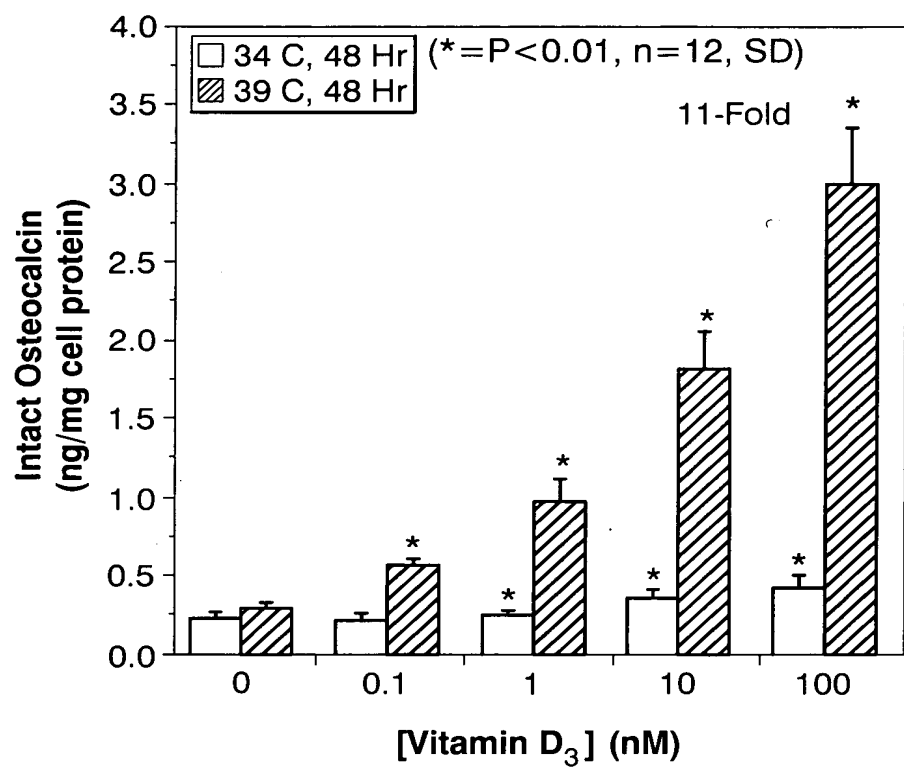


Figure 1A



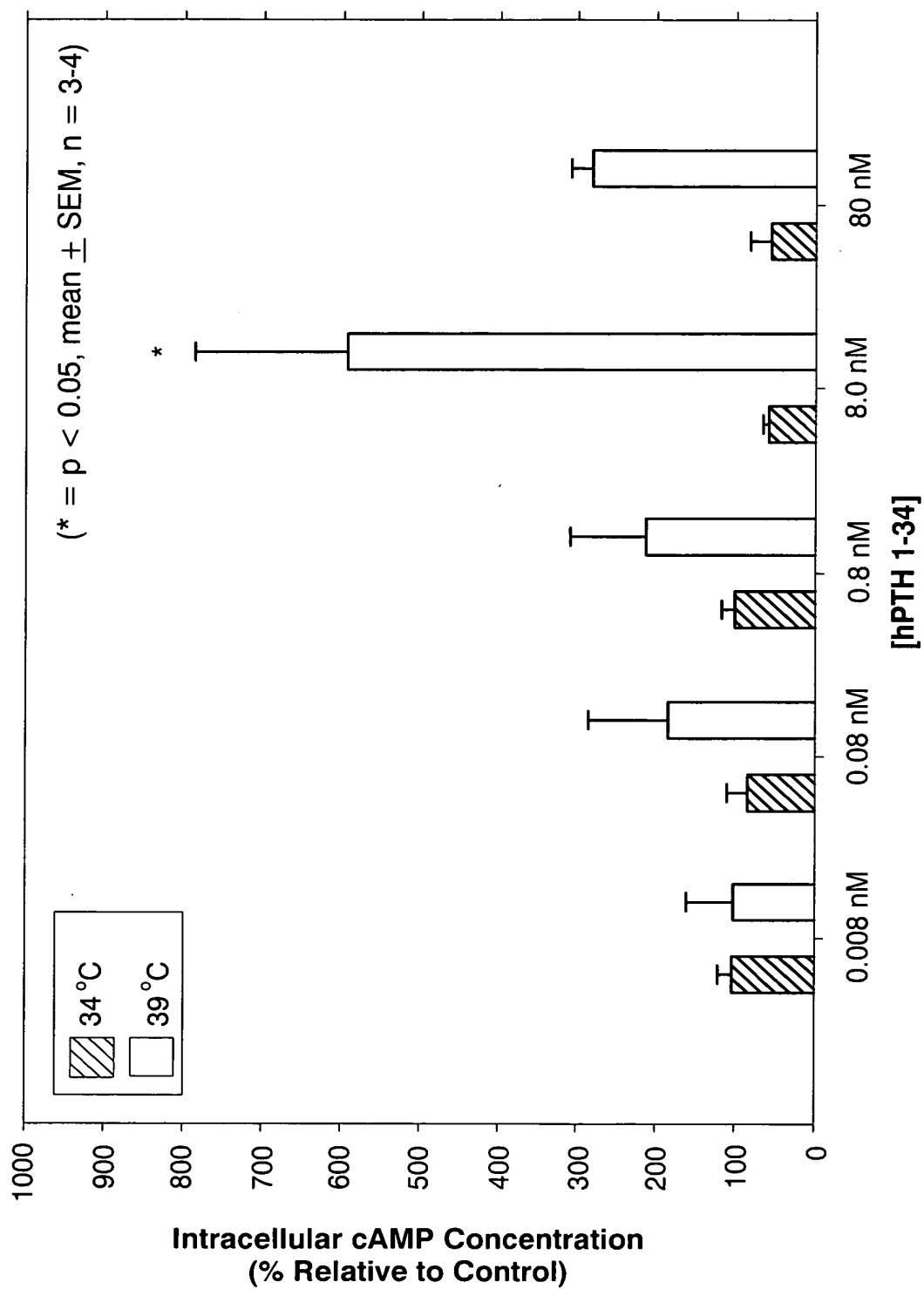
Alkaline Phosphatase Activity

Figure 1B



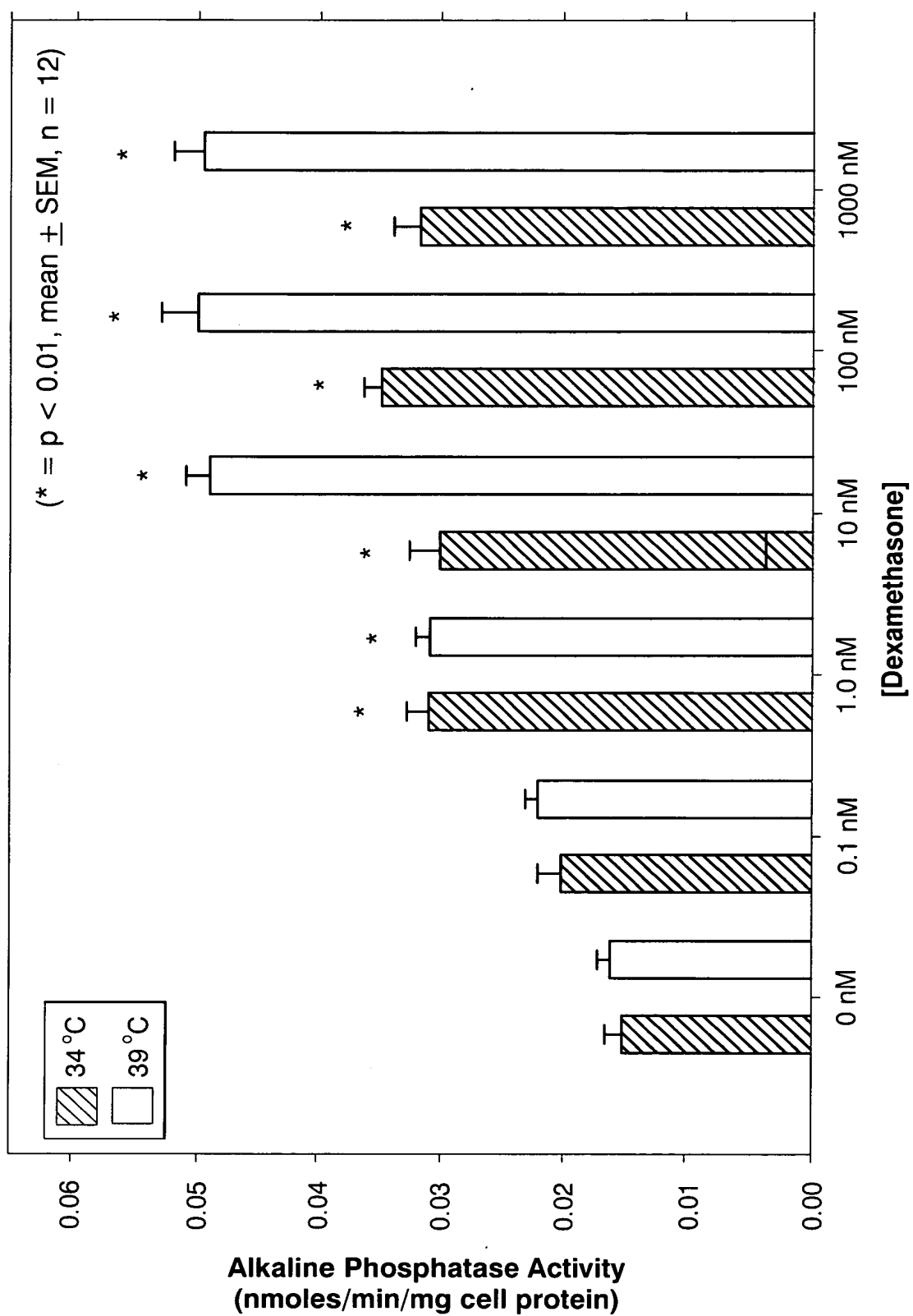
Osteocalcin Secretion

Figure 1C



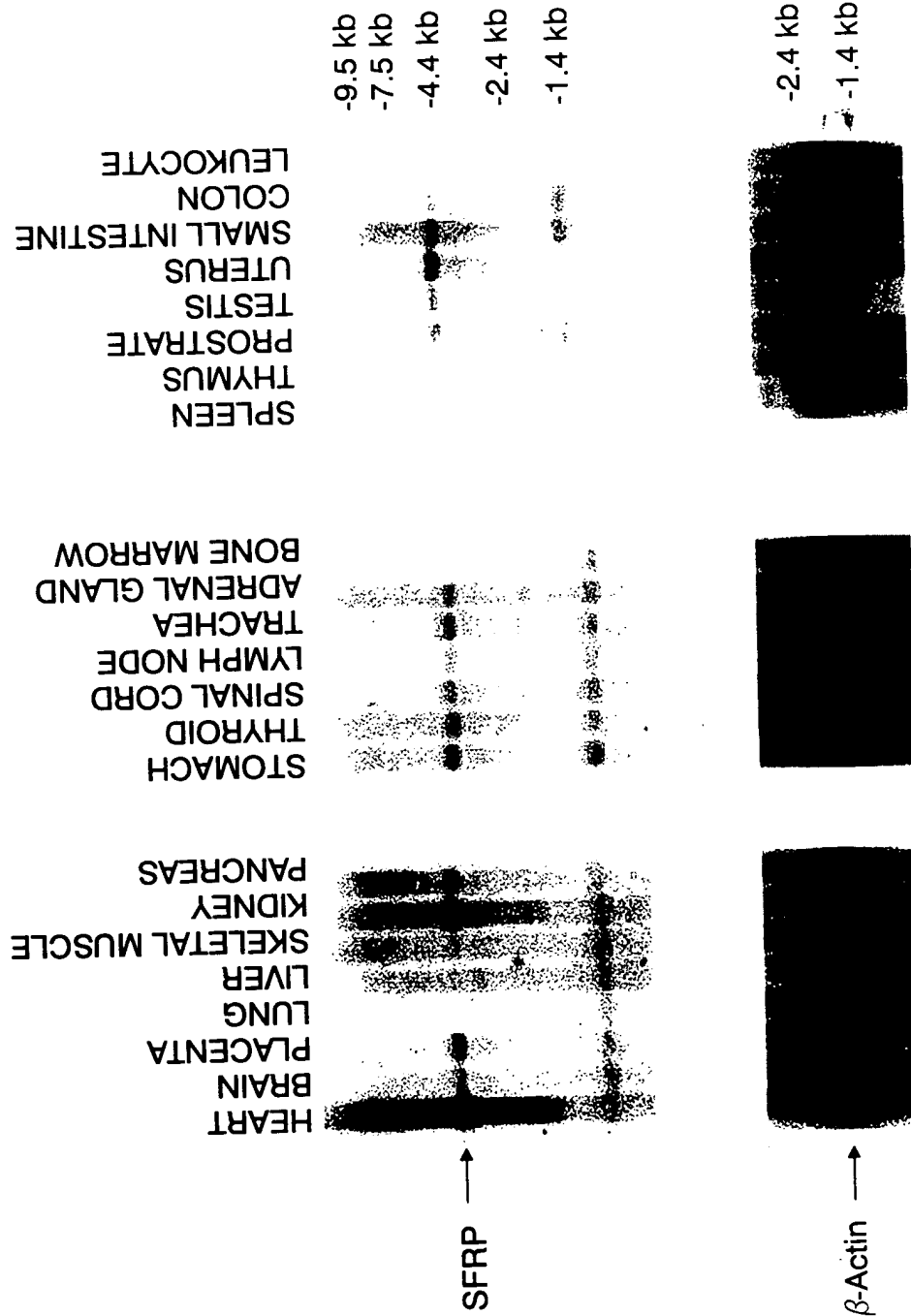
**Regulation of Intracellular cAMP Levels
by Parathyroid Hormone in the HOB-01-C1-PS-09 Cells**

Figure 2



**Regulation of Alkaline Phosphatase Activity
by Dexamethasone in the HOB-01-C1-PS-09 Cells**

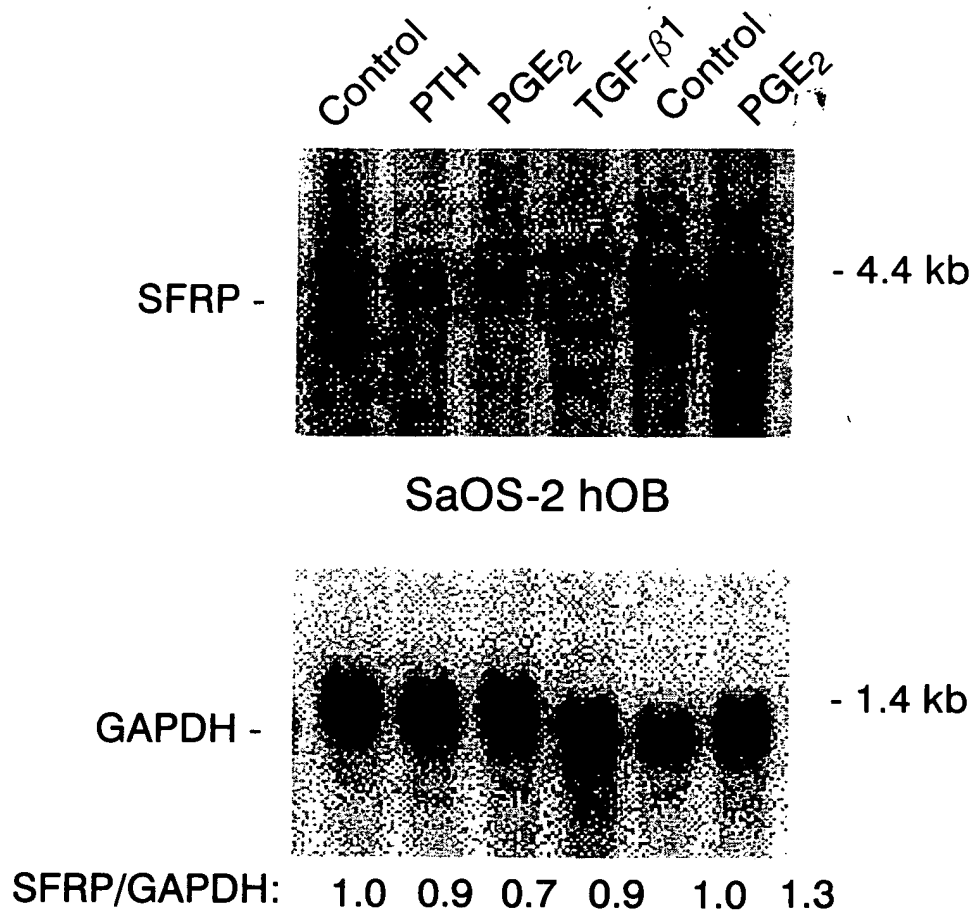
Figure 3



Osteogenic RADE Confirmation: SFRP

Figure 4

6/23



Osteogenic RADE Confirmation: SFRP

Figure 5

7/23

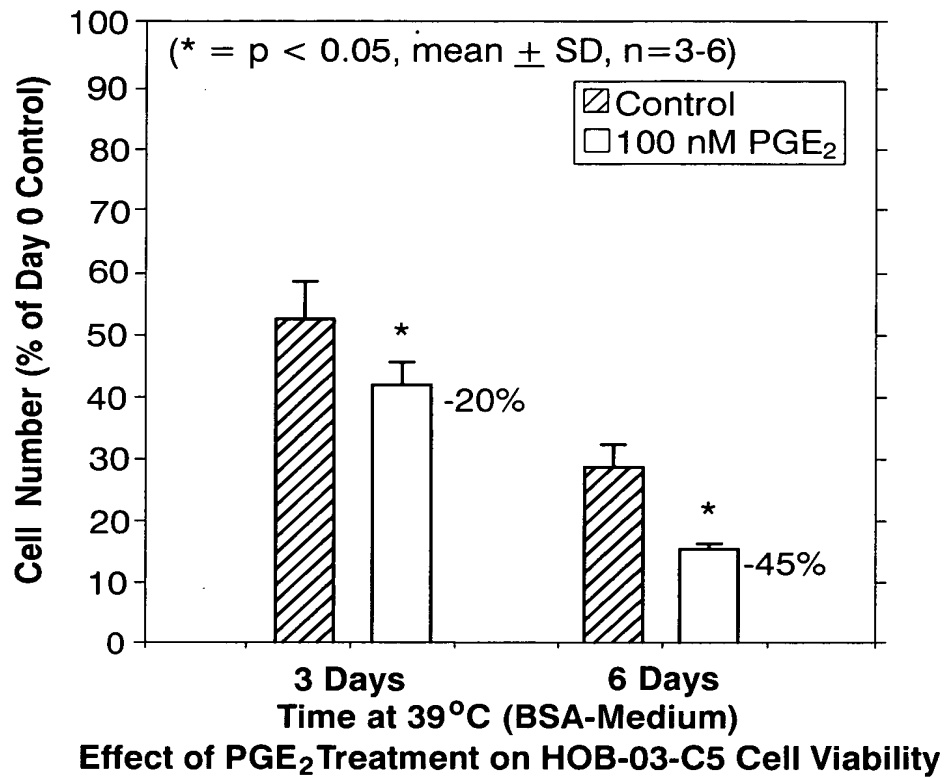


Figure 6A

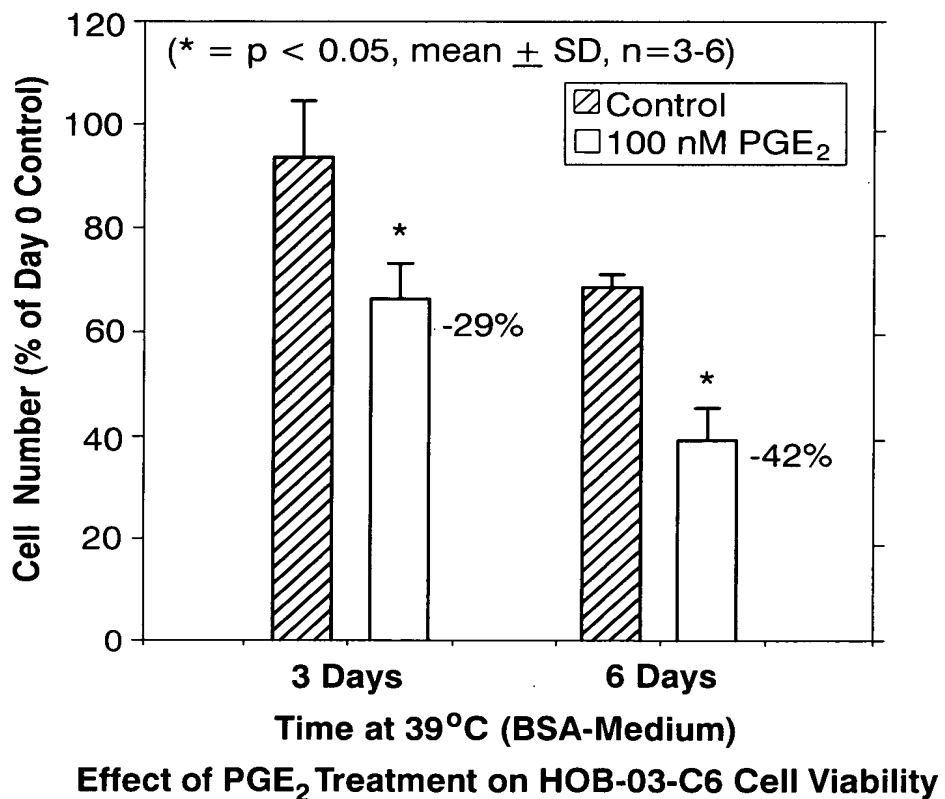
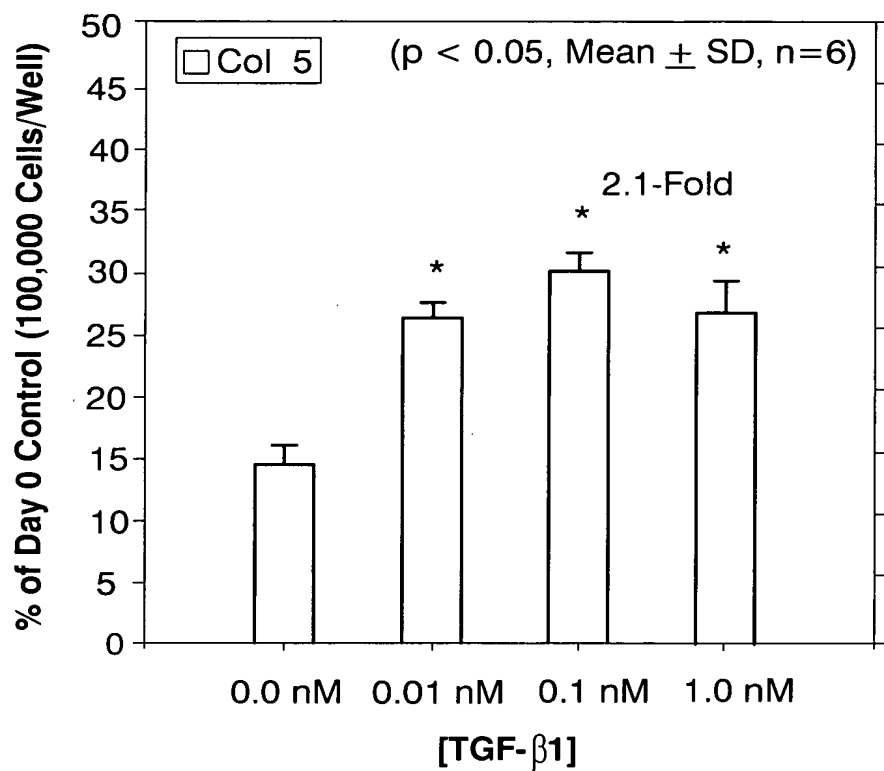
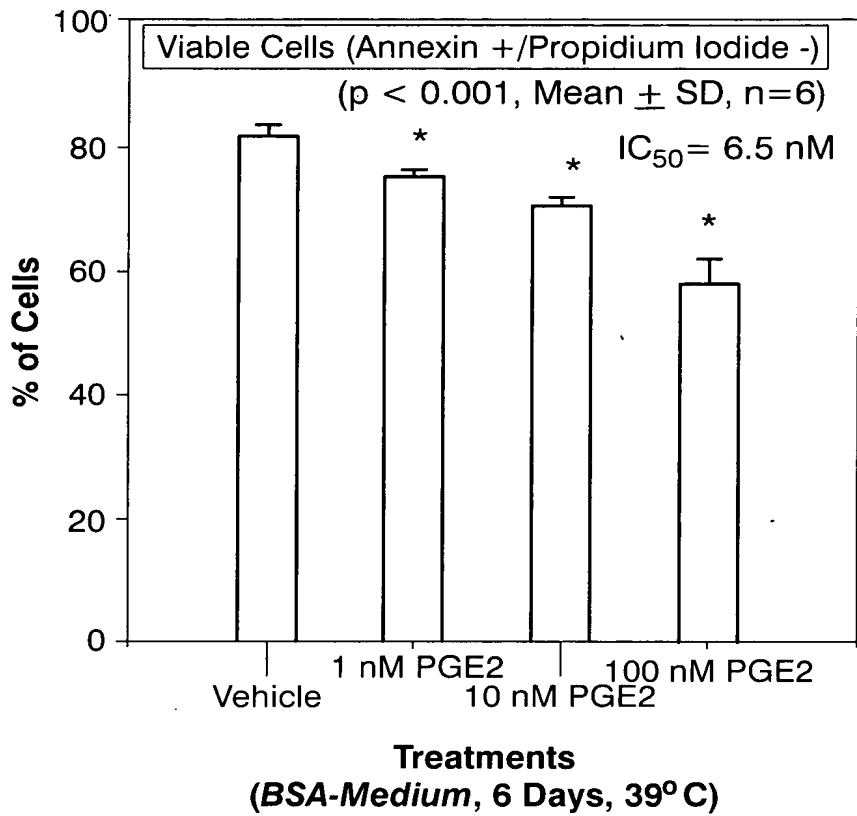


Figure 6B



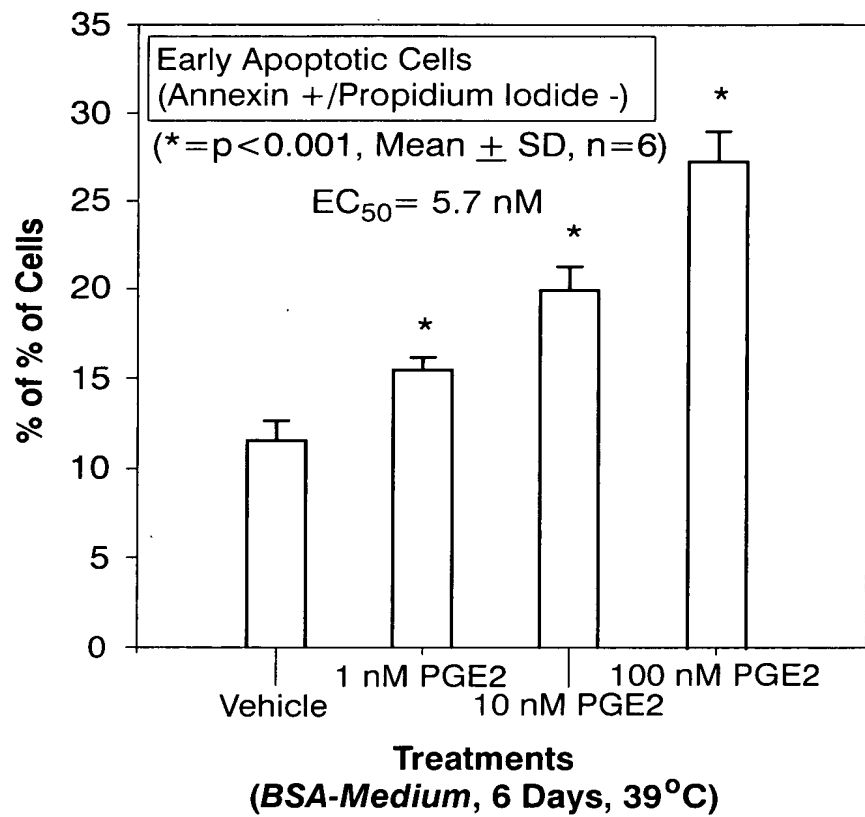
TGF- β 1 Treatment Increases HOB-01-C1 Cell Viability

Figure 6C



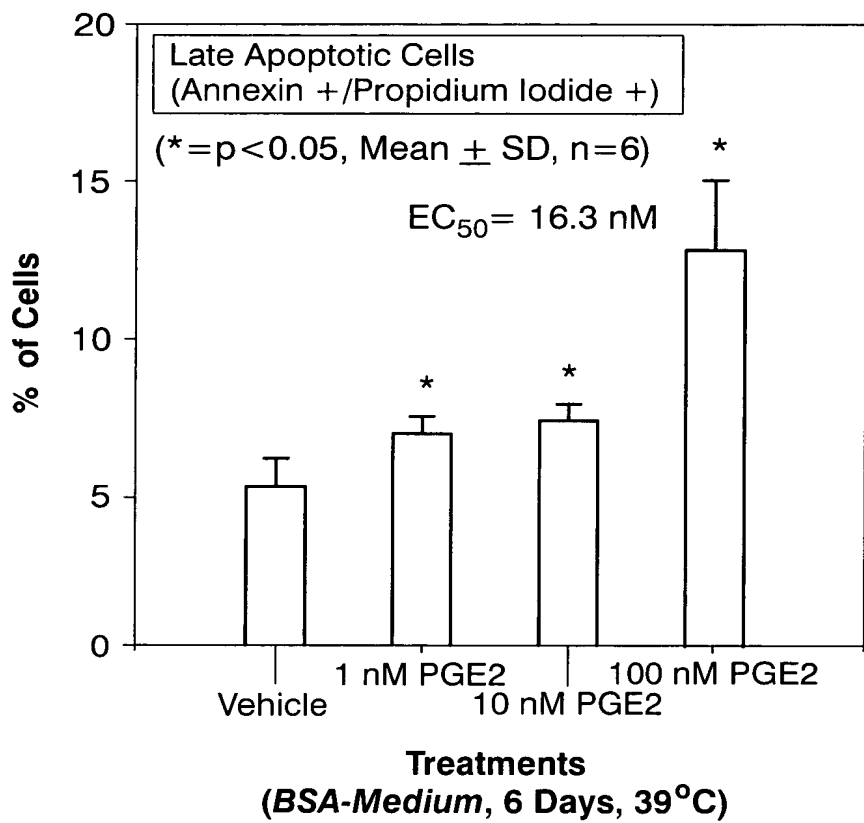
**Effect of PGE₂ on Proliferative-Stage
HOB-03-C5 Cell Apoptosis**

Figure 7A



Effect of PGE₂ on Proliferative-Stage
HOB-03-C5 Cell Apoptosis

Figure 7B



Effect of PGE₂ on Proliferative-Stage
HOB-03-C5 Cell Apoptosis

Figure 7C

12/23

**An Initiation Site-Directed Antisense Oligonucleotide for SARP-2
Reverses the Induction of Cell Death by PGE₂ in HOB-03-C5 Cells**

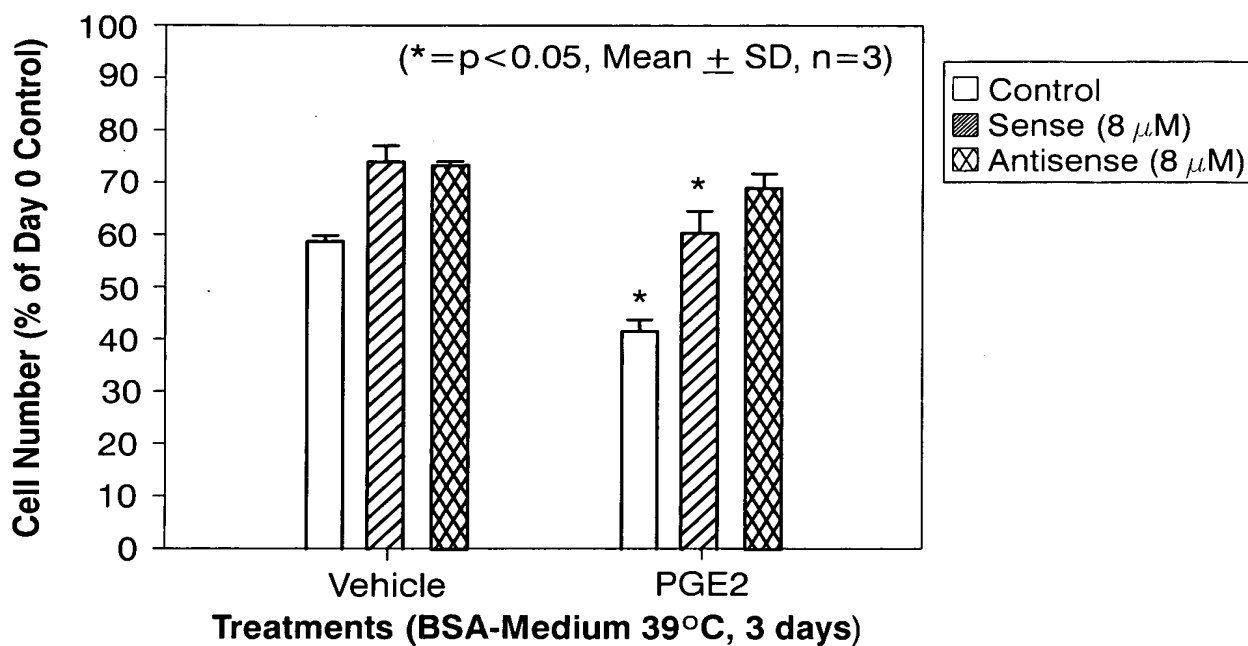


Figure 8A

**An Initiation Site-Directed Antisense Oligonucleotide for SARP-2
Reverses the Induction of Cell Death by PGE₂ in HOB-03-C6 Cells**

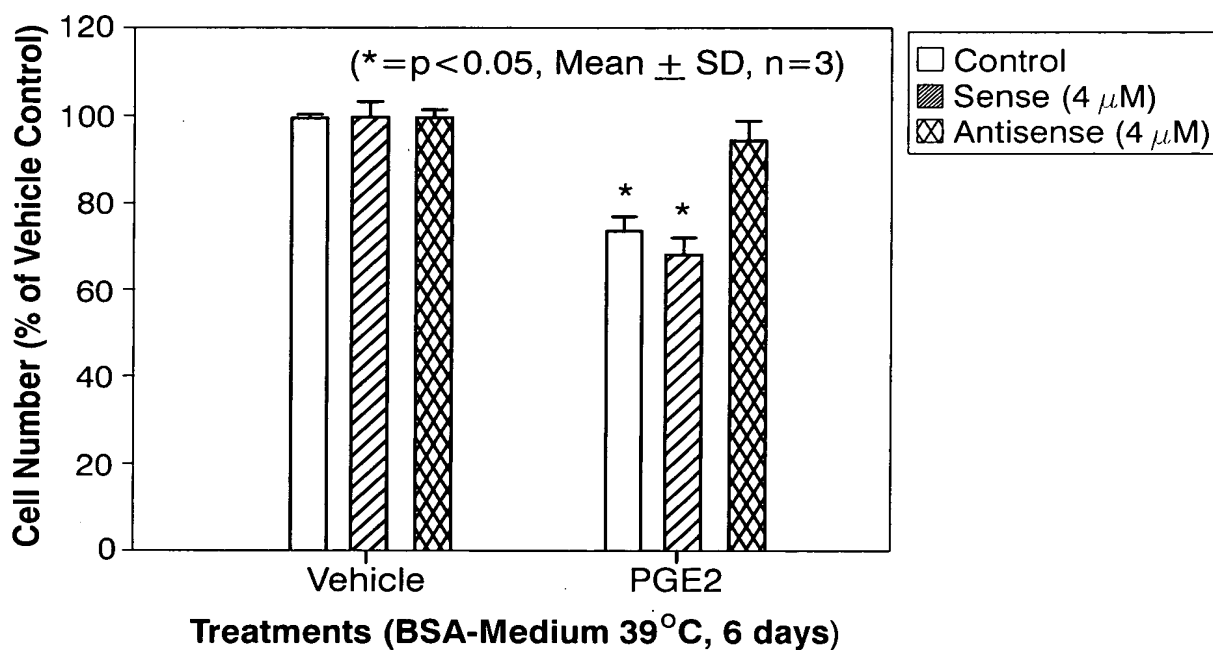
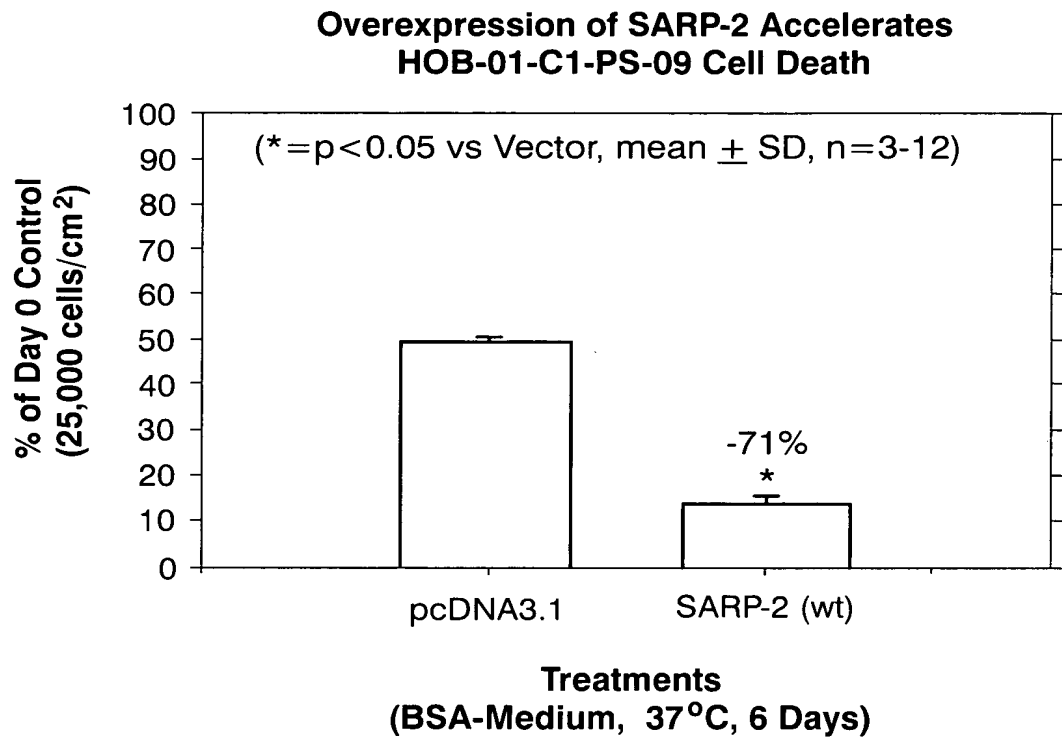


Figure 8B



SARP-2 Overexpression Accelerates HOB Cell Death
In Vitro Target Validation

Figure 9A

14/23

**Poly (A)+ RNA
Northern Blot**

**01-09
V S**

SARP -2



- 1.5 kb

GAPDH

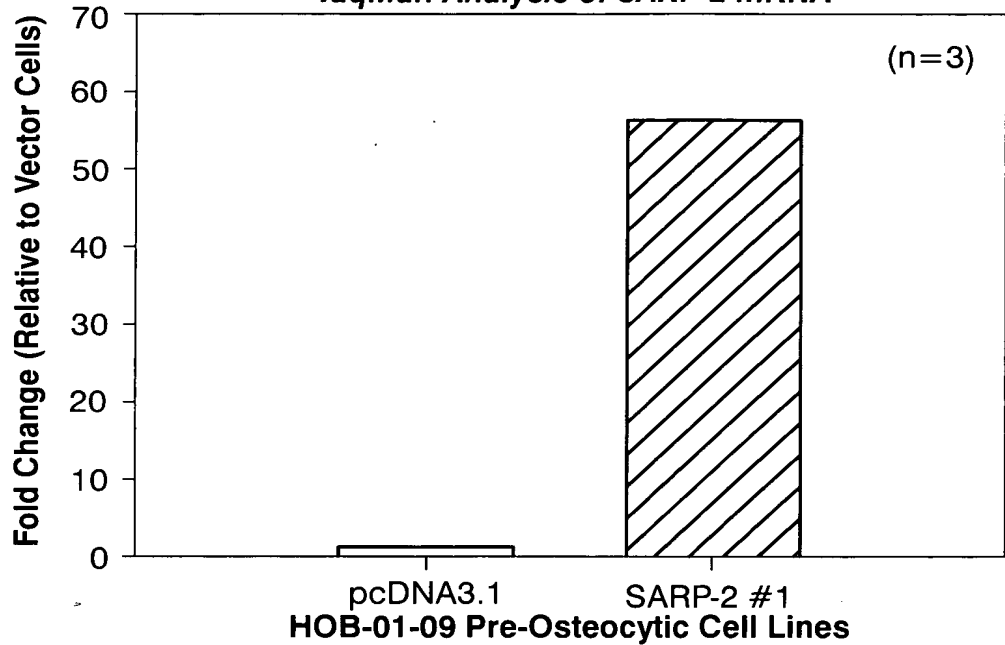


- 1.4 kb

Figure 9B

15/23

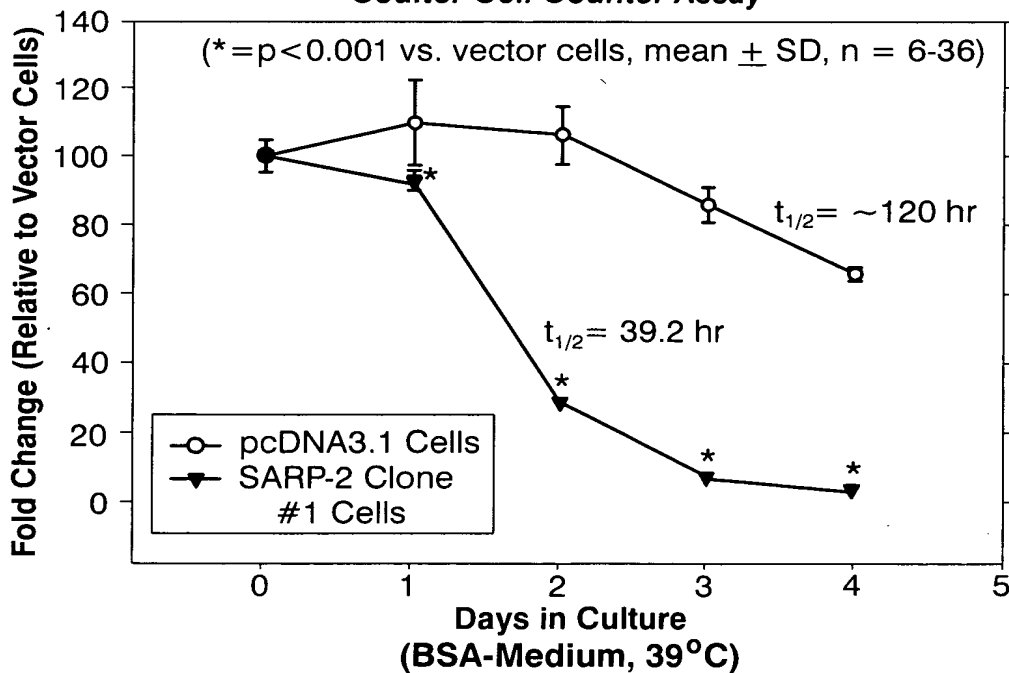
HOB-01-C1-PS-09 Cells
TaqMan Analysis of SARP-2 mRNA



SARP-2 Overexpression Accelerates HOB Cell Death
In Vitro Target Validation

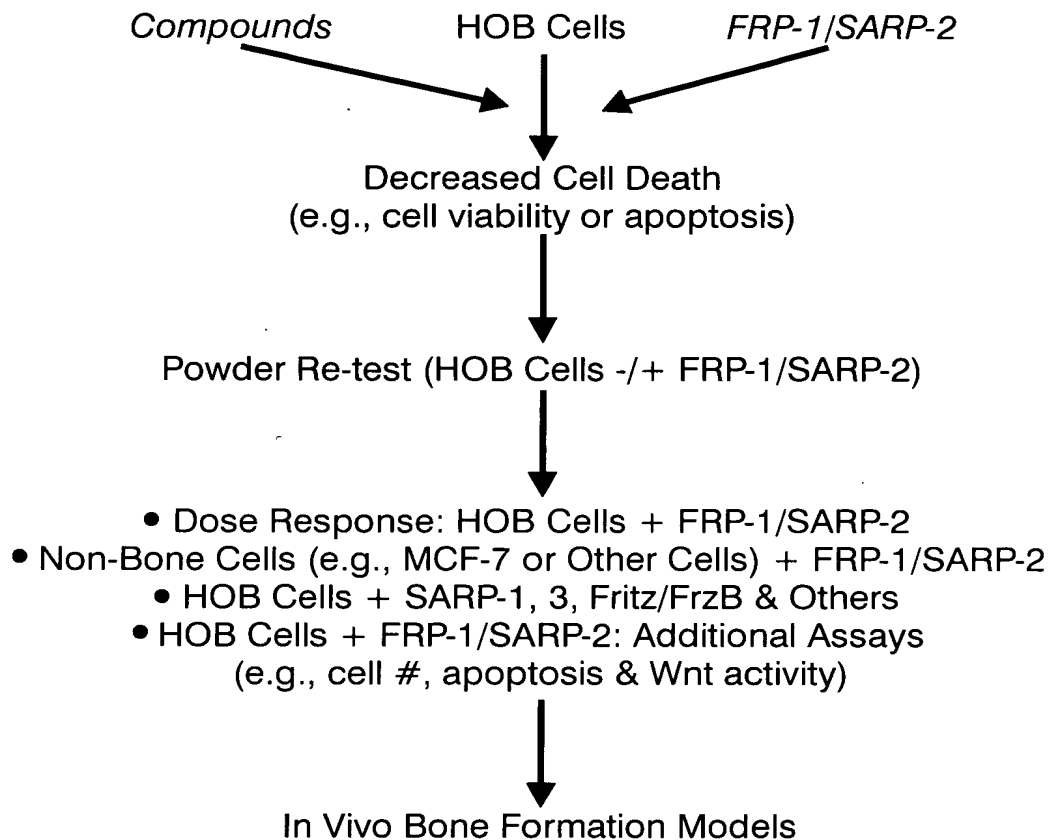
Figure 10A

HOB-01-C1-PS-09 Cells
Coulter Cell Counter Assay



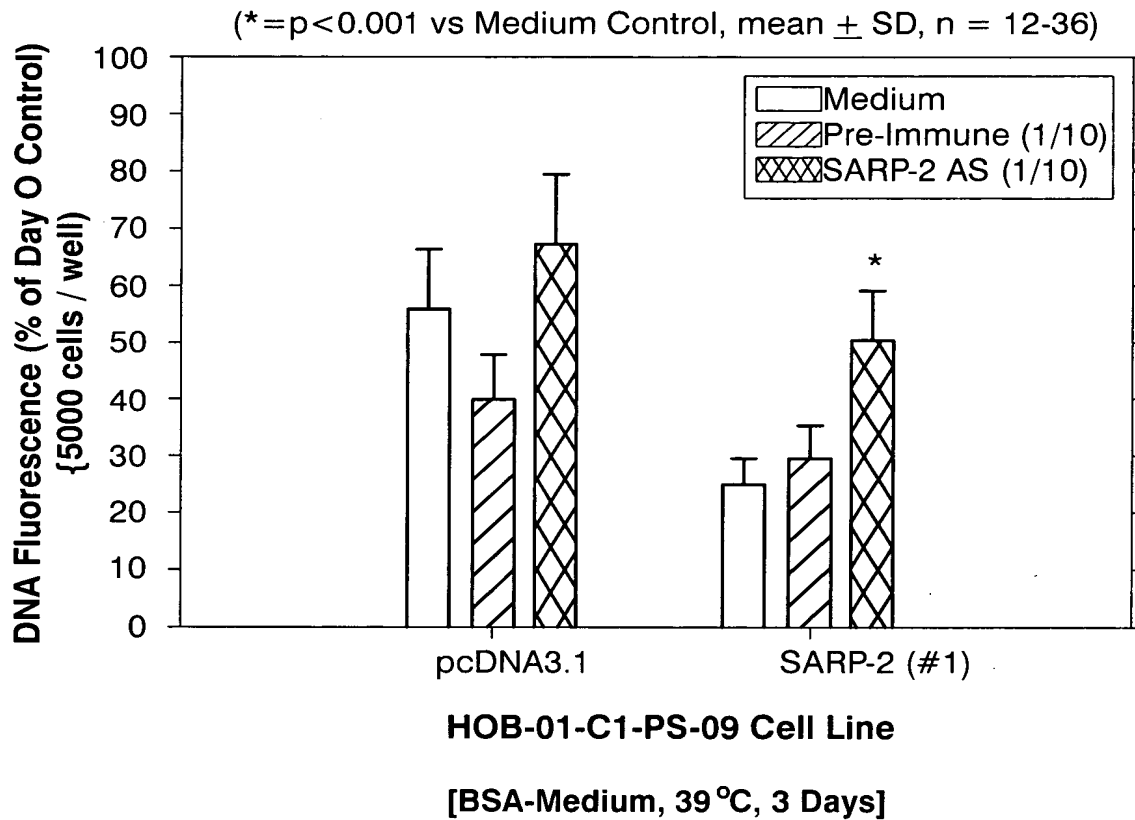
SARP-2 Overexpression Accelerates HOB Cell Death
In Vitro Target Validation

Figure 10B



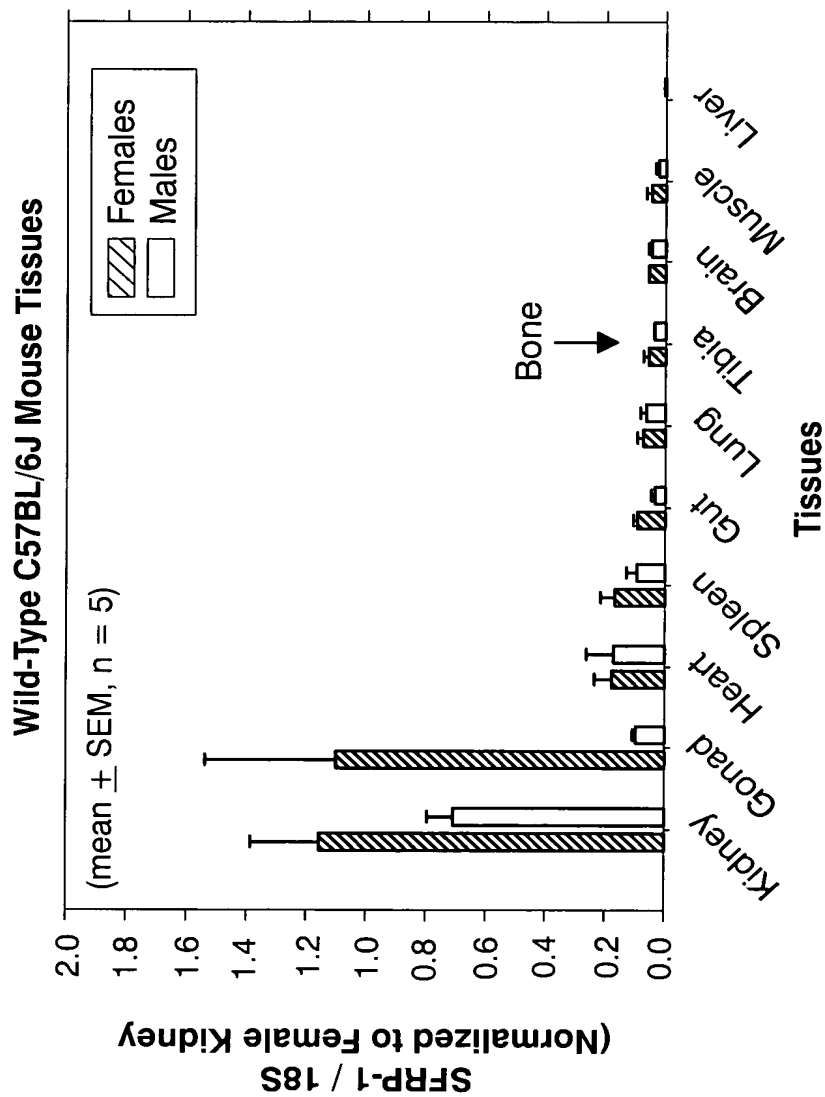
**Use of Human FRP-1/SARP-2 and the HOB Cells
in a Screening Paradigm for an Anabolic Bone Agent**

Figure 11



SARP-2 Antisera Reverses SARP-2 Induced Cell Death
CyQuant HTS Assay

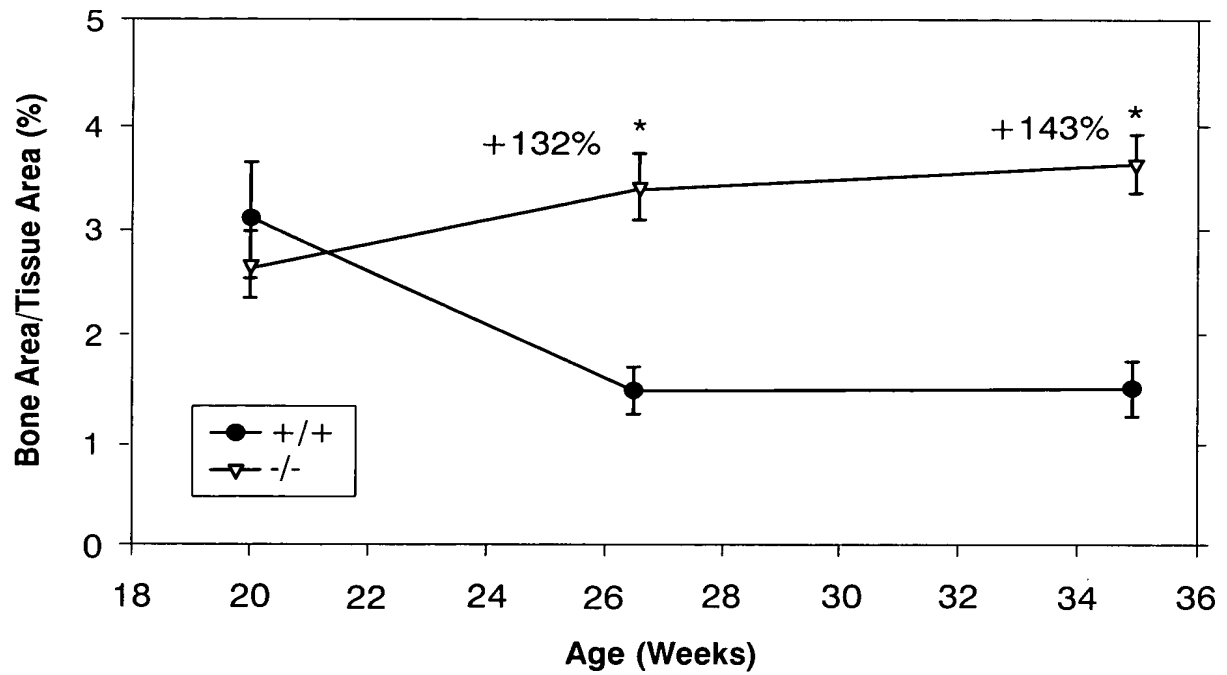
Figure 12



SFRP-1 mRNA is Highly Expressed in the Kidney & Ovary

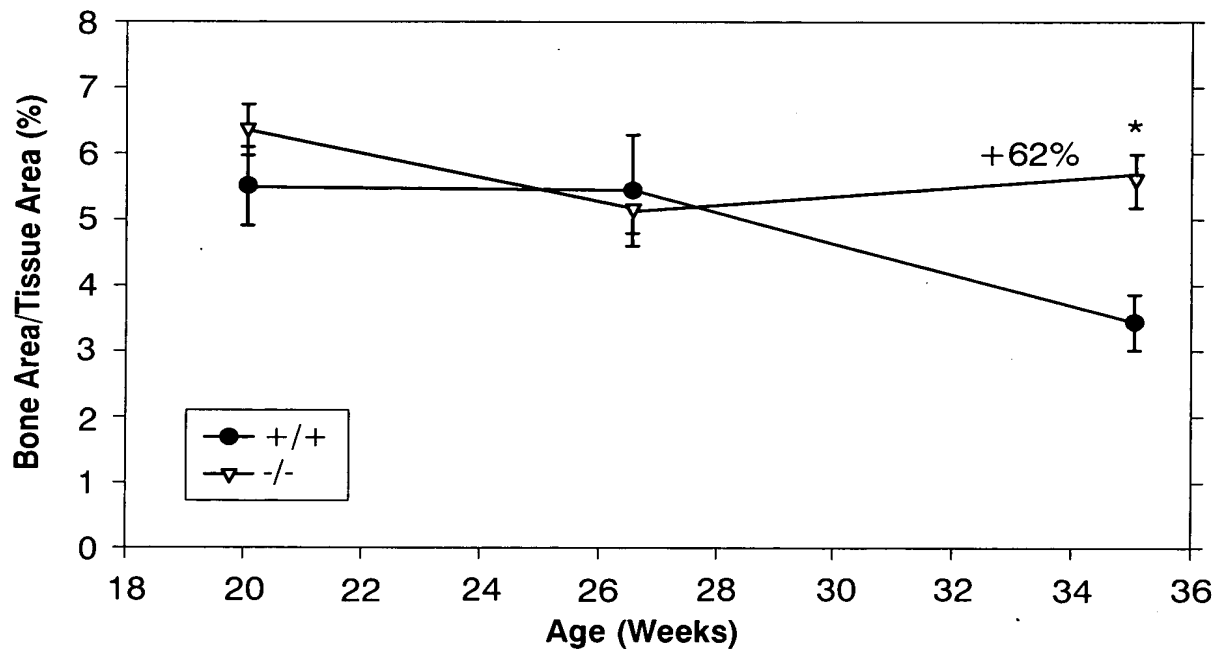
**Relative Tissue Distribution of Mouse SFRP-1
TaqMan Quantitative RT-PCR Analysis of Total RNA**

Figure 13



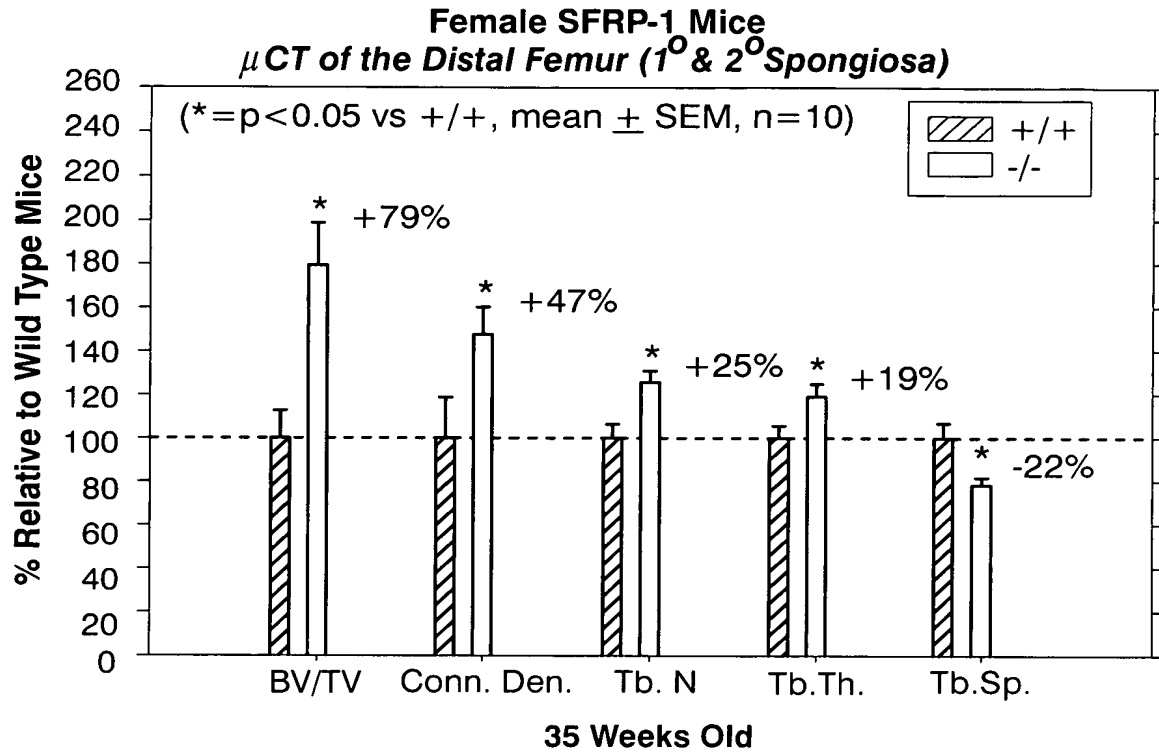
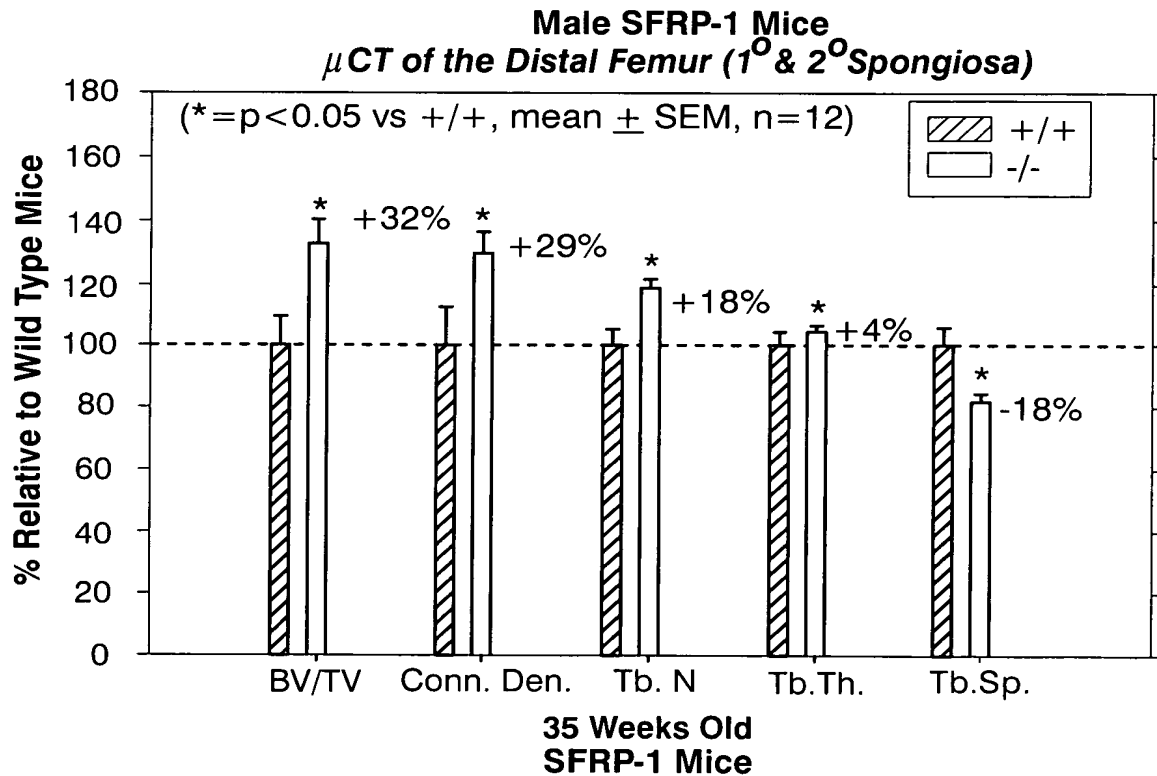
Female SFRP-1 Mice
Trabecular Bone Area

Figure 14A

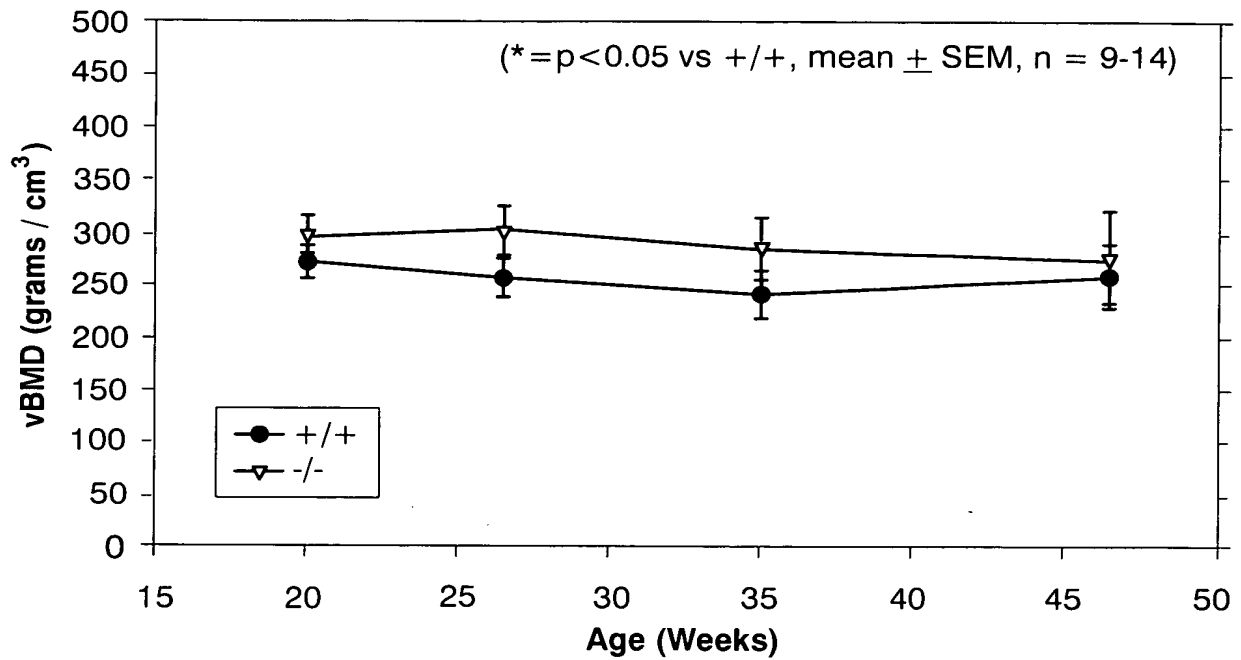


Male SFRP-1 Mice
Trabecular Bone Area

Figure 14B

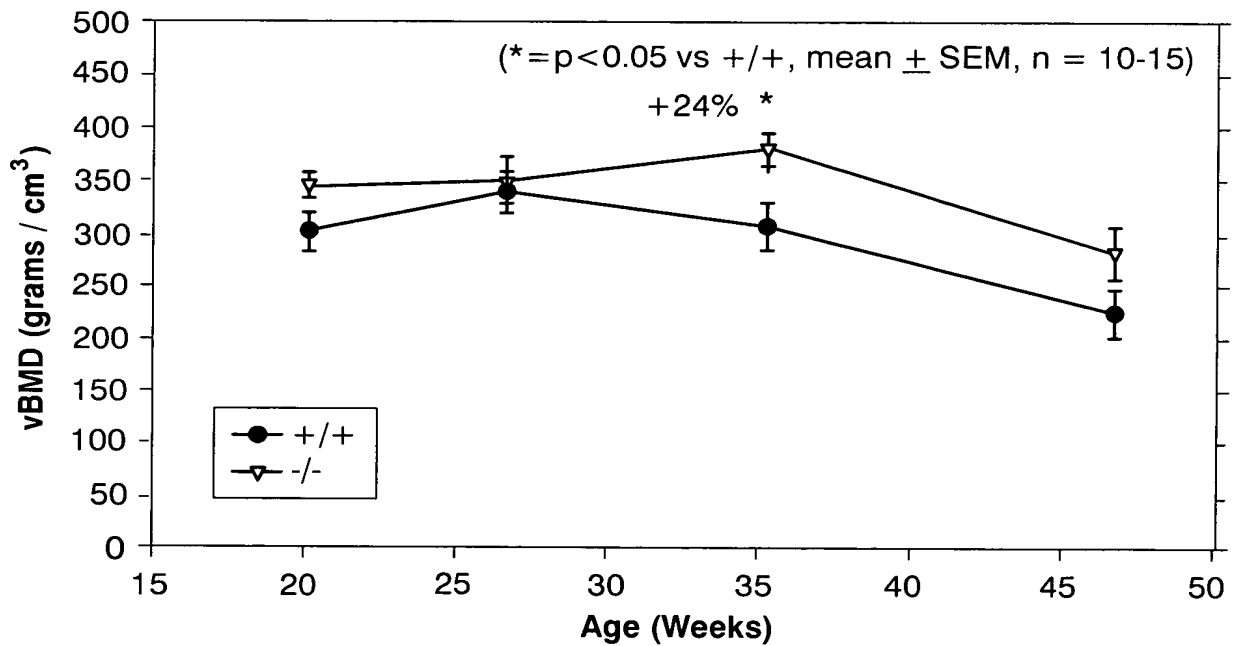
**Figure 15A****Figure 15B**

21/23



Female SFRP-1 Mice
Trabecular BMD of the Proximal Tibia (pQCT)
SFRP-1 KO Mice

Figure 16A

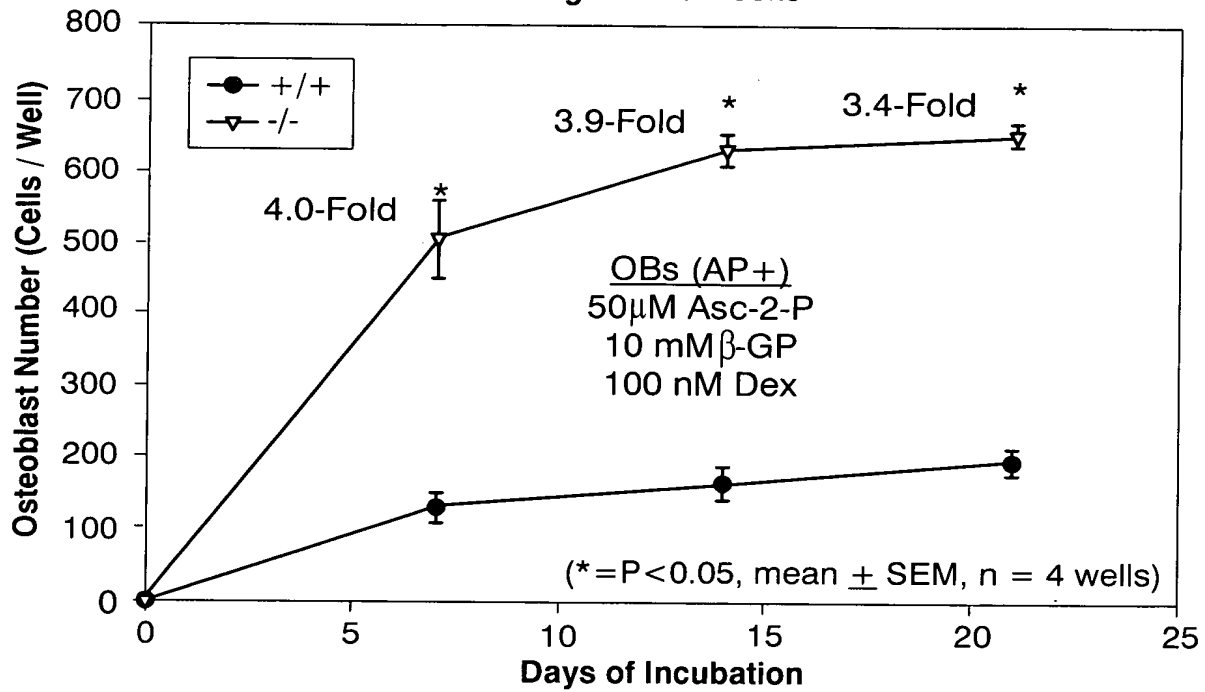


Male SFRP-1 Mice
Trabecular BMD of the Proximal Tibia (pQCT)
SFRP-1 KO Mice

Figure 16B

22/23

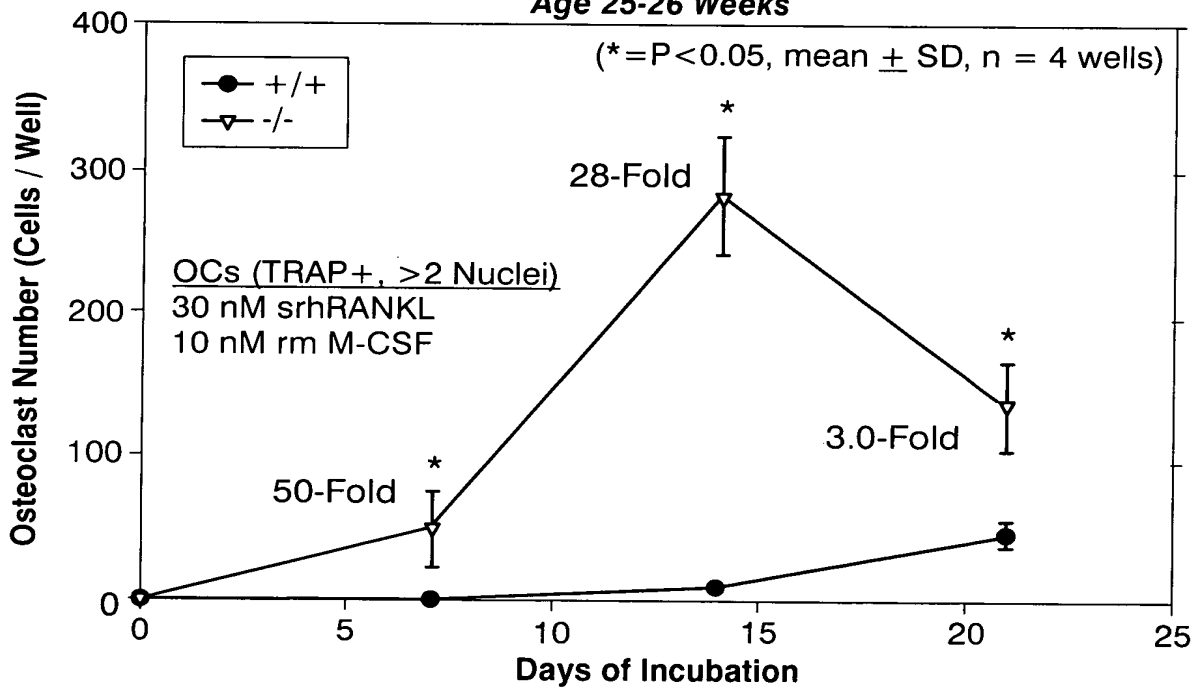
Female SFRP-1 Mice Bone Marrow Cells
Age 25-26 Weeks



Osteoblast Differentiation in Vitro

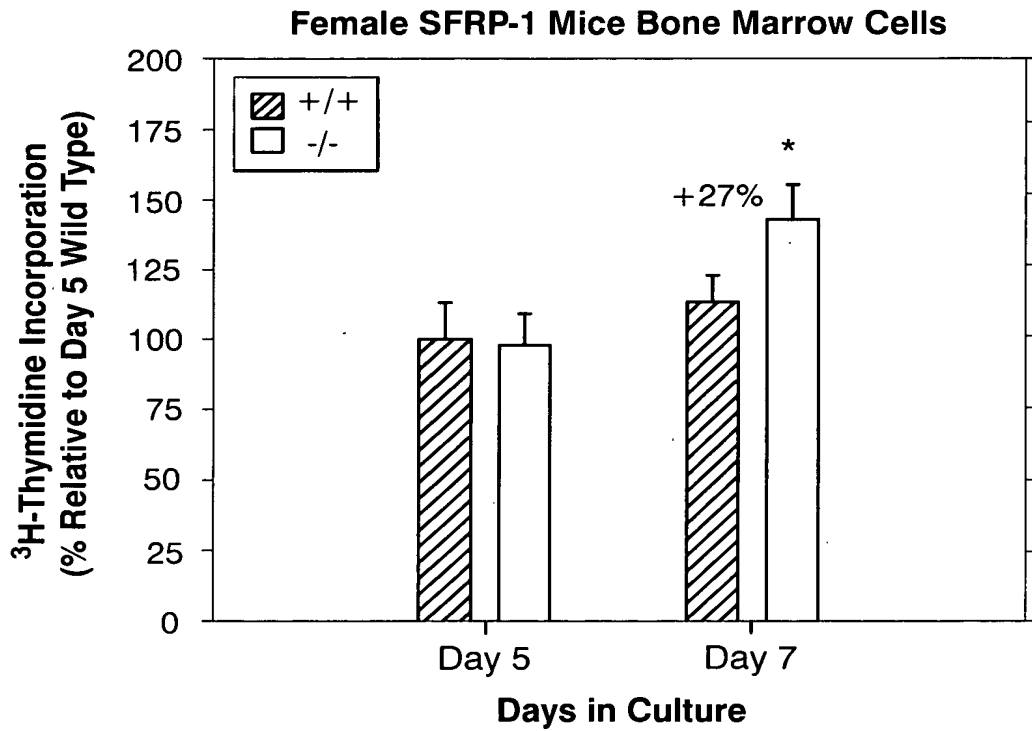
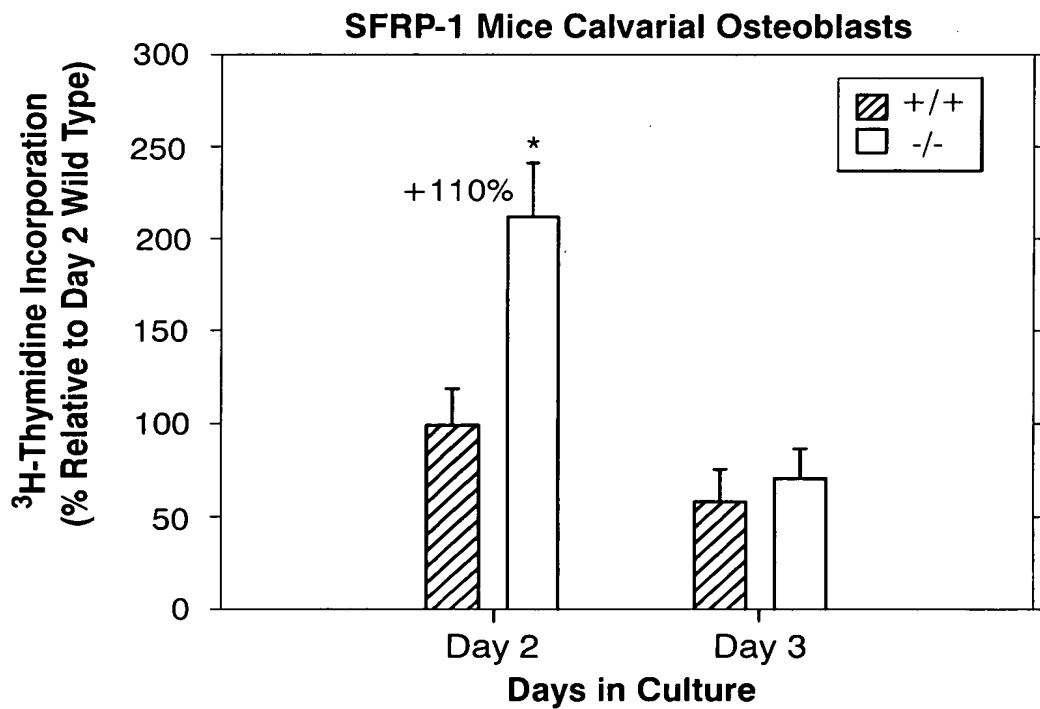
Figure 17A

Female SFRP-1 Mice Bone Marrow Cells
Age 25-26 Weeks



Osteoclast Differentiation in Vitro

Figure 17B

**Figure 18A****Figure 18B**